

PART NUMBER

**SSR-117-40/47**



SCAN HERE: To watch a video of this installation



**BEFORE YOU BEGIN**

**PRIMARY APPLICATIONS**

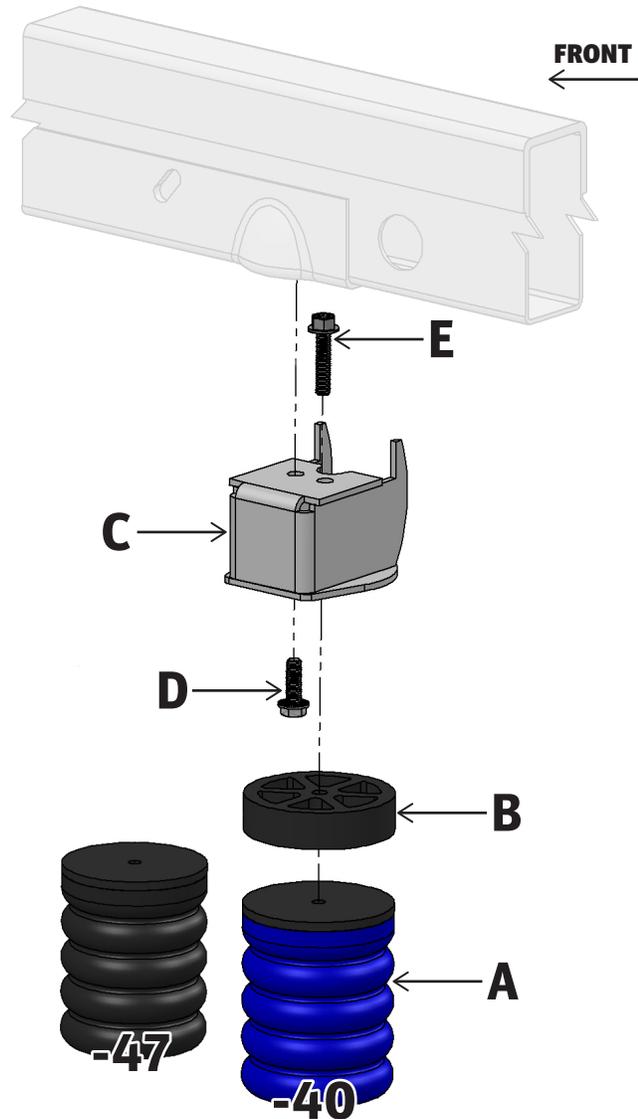
- > Ford F-150 4 X 4  
(2009 - 2018)
- \*Excludes any model with a GVWR greater than 8,200 lbs.

**TOOLS REQUIRED**

- > Floor Jack
- > Jack Stands
- > Wheel Chocks
- > 9/16" Wrench
- > 13mm & 15mm Wrench
- > 13mm & 15mm Socket

**PARTS LIST**

Item	Part #	Description	QTY
A	511440-38	SumoSprings Blue -40	2
	511421-38	SumoSprings Black -47	
B	512117	1" Spacer	2
C	512115	Mounting Bracket	2
D	512312	M10-1.5 x 30mm Bolt	2
E	512274	3/8-16 x 1 3/4" Bolt	2
	512207	3/8-16 x 3/4" Bolt	



**DRIVER SIDE (PASSENGER SIDE SIMILAR)**

**Part Number: SSR-117-40/47**

**Product Line: SUMOSPRINGS REAR**

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Questions or Concerns?

Scan here:



or visit:  
superspringsinternational.com

**SAFETY NOTICE:** We recommend installation be done by a professional or persons with sound mechanical knowledge.

**WARNING:** These instructions are a general guide for installation. SuperSprings International (SSI) assumes no liability for the actual installation process. Consumers and installers should apply common automotive safety practices when raising and working on any vehicle. **Do not put yourself in a position where, if the vehicle were to move unexpectedly, you may be injured.** SSI's products are designed to improve vehicle ride quality. Do not load any vehicle beyond the manufacturer's specifications.

Never exceed the manufacturer's Gross Vehicle Rating (GVWR) located on your vehicles identification tag.

**BEFORE INSTALLATION:** Ensure the vehicle is on a hard level surface, the parking brake is ON, with the ignition OFF, and place chocks in front of and behind the tires to prevent the vehicle from moving.

**DURING AND/OR AFTER INSTALLATION:** Ensure emergency brake cables are not touching the SSI products. Secure any cables out of the way with zip ties or by re-routing. Ensure all A/C lines, brake cables, and frame are clear of contact or interference.

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**INSTALLATION**

1. Park the vehicle on a hard, level surface and engage the emergency brake. Place chocks in front and behind wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
2. Raise the rear of the vehicle allowing the axle to hang freely and rest the frame on the safety jack stands rated for the weight of the vehicle. Removal of the rear wheels is optional.
3. Using a 13mm socket, loosen the 10mm bolt in the center of the bump stop so that you can remove the factory bump stop.
4. Add a drop of Blue Thread Locker to the M10-1.5 x 30mm bolt [ITEM D] and attach the mounting bracket [ITEM C] to the frame in the same location as the bump stop was previously. Make sure that the locating tangs are on the inside of the frame and use the forward bolt hole in the bracket to center the SumoSpring [ITEM A] over the axle.
5. Using the 3/8-16 x 1 3/4" bolt [ITEM E], attach the 1" Spacer [ITEM B] and the SumoSpring [ITEM A] to the bracket as seen in the pictures. If you want to create more suspension travel, remove the 1" Spacer and install the SumoSpring using the 3/8-16 x 3/4" bolt.
6. Repeat steps 3 through 5 on the other side of the vehicle.
7. Raise the vehicle and allow room to remove the jack stands and carefully lower your vehicle to the hard surface. Remove the chocks from the wheels.
8. Register the warranty for your SuperSprings International part. A warranty card can be found in the box your part came in.

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